

AN APPARATUS FOR OPTICAL NAVIGATION

ABSTRACT OF THE DISCLOSURE

5 An apparatus for optical navigation. The apparatus has a surface
comprising an aperture, wherein the surface is configured to be moveable
against an illuminated surface having a detectable texture. An optical
motion detection circuit is integral to the apparatus and optically coupled to
the detectable texture of the display screen. The optical motion detection
10 circuit produces motion signals indicative of motion of the surface relative to
the detectable texture of the illuminated surface, wherein the optical motion
detection circuit is operable to detect the detectable texture without requiring
an integral illumination source.

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